AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

(Currently Amended) A non-aqueous electrolytic solution comprising:
 a lithium salt;

[[an]] at least one organic solvent selected from the group consisting of diethyleneglycol dimethylether (CH₃(OCH₂CH₂)₂OCH₃), diethyleneglycol diethylether (C₂H₅(OCH₂CH₂)₂OC₂H₅), triethyleneglycol dimethylether (CH₃(OCH₂CH₂)₃OCH₃), triethyleneglycol diethylether (C₂H₅(OCH₂CH₂)₃OC₂H₅), 1,3-dioxolane, 4,5-diethyldioxolane, 4,5-dimethyl-dioxolane, 4-methyl-1,3-dioxolane, and 4-ethyl-1,3-dioxolane; and

at least one of compounds having formula (1) below:

$$R_1$$
— CH_2 — C — O — R_2 ...(1)

where R_1 is selected from the group consisting of a hydrogen atom, a halogen atom, a hydroxy group, a substituted or unsubstituted C_1 - C_{20} alkyl group, a substituted or unsubstituted C_1 - C_{20} alkoxy group, a substituted or unsubstituted C_1 - C_{20} alkenyl group, a substituted or unsubstituted or unsubstituted or unsubstituted or unsubstituted or unsubstituted or unsubstituted C_6 - C_{30} aryloxy group, a substituted or unsubstituted C_2 - C_{30} heteroaryl

group, a substituted or unsubstituted C2-C30 heteroaryloxy group, and

where R_3 is selected from the group consisting of a hydrogen atom, a halogen atom, a substituted or unsubstituted C_1 - C_{20} alkyl group, a substituted or unsubstituted C_1 - C_{20} alkenyl group, a substituted or unsubstituted C_6 - C_{30} aryl group, and a substituted or unsubstituted C_2 - C_{30} heteroaryl group; and R_2 is selected from the group consisting of a hydrogen atom, a halogen atom, a

substituted or unsubstituted C_1 - C_{20} alkyl group, a substituted or unsubstituted C_1 - C_{20} alkenyl group, a substituted or unsubstituted C_6 - C_{30} aryl group, and a substituted or unsubstituted C_2 - C_{30} heteroaryl group.

- 2. (Original) The non-aqueous electrolytic solution of claim 1, wherein the at least one of the compounds of said formula (1) is contained in an amount of 0.01-5 parts by weight with respect to 100 parts by weight of the organic solvent.
- 3. (Original) The non-aqueous electrolytic solution of claim 1, wherein the at least one of the compounds of said formula (1) is one of a compound of formula(2) below, a compound of formula (3) below, and a mixture of the forgoing compounds:

$$\begin{array}{c}
O \\
|| \\
R_4 - CH_2 - C - O - R_2
\end{array}$$
...(2)

where R_4 is selected from the group consisting of a hydrogen atom, a halogen atom, a hydroxy group, a substituted or unsubstituted C_1 - C_{20} alkyl group, a substituted or unsubstituted C_1 - C_{20} alkoxy group, a substituted or unsubstituted C_1 - C_{20} alkenyl group, a substituted or unsubstituted or unsubstituted or unsubstituted or unsubstituted C_6 - C_{30} aryloxy group, a substituted or unsubstituted C_2 - C_{30} heteroaryl group, and a substituted or unsubstituted C_2 - C_{30} heteroaryloxy group; and R_2 is selected from the group consisting of a hydrogen atom, a halogen atom, a substituted or unsubstituted C_1 - C_2 0 alkyl group, a substituted or unsubstituted C_1 - C_2 0 alkenyl group, a substituted or unsubstituted or unsubs

$$R_5$$
— O — C — CH_2 — C — O — R_2 ...(3)

where R_5 is selected from the group consisting of a hydrogen atom, a halogen atom, a substituted or unsubstituted C_1 - C_{20} alkyl group, a substituted or unsubstituted C_1 - C_{20} alkenyl group, a substituted or unsubstituted C_6 - C_{30} aryl group, and a substituted or unsubstituted C_2 - C_{30} heteroaryl group; and R_2 is selected from the group consisting of a hydrogen atom, a halogen atom, a substituted or unsubstituted C_1 - C_{20} alkyl group, a substituted or unsubstituted C_1 - C_{20} alkenyl group, a substituted or unsubstituted or unsubstituted or unsubstituted C_2 - C_{30} heteroaryl group.

4. (Withdrawn) The non-aqueous electrolytic solution of claim 3, wherein the compound of said formula (2) is one of dimethyl acetate, methylethyl acetate,

methylbutyl acetate, diethyl acetate, ethylmethyl acetate, ethylbutyl acetate, dibutyl acetate, butylethyl acetate, and butylmethyl acetate.

- 5. (Original) The non-aqueous electrolytic solution of claim 3, wherein the compound of said formula (3) is one of dimethyl malonate, methylethyl malonate, methylbutyl malonate, diethyl malonate, ethylmethyl malonate, ethylbutyl malonate, dibutyl malonate, butylethyl malonate, and butylmethyl malonate.
 - 6. (Canceled)
- 7. (Currently Amended) The non-aqueous electrolytic solution of claim [[6]] $\underline{1}$, wherein the <u>organic solvent is a polyglyme and</u> is at least one selected from the group consisting of diethyleneglycol dimethylether (CH₃(OCH₂CH₂)₂OCH₃), diethyleneglycol diethylether (C₂H₅(OCH₂CH₂)₂OC₂H₅), triethyleneglycol dimethylether (CH₃(OCH₂CH₂)₃OCH₃), and triethyleneglycol diethylether (C₂H₅(OCH₂CH₂)₃OC₂H₅).
- 8. (Currently Amended) The non-aqueous electrolytic solution of claim [[6]] 1, wherein the <u>organic solvent is a dioxolane and</u> is at least one selected from the group consisting of 1,3-dioxolane, 4,5-diethyl-dioxolane, 4,5-dimethyl-dioxolane, 4-methyl-1,3-dioxolane, and 4-ethyl-1,3-dioxolane.
 - 9. (Canceled)

- 10. (Original) The non-aqueous electrolytic solution of claim 1, wherein the concentration of the lithium salt is in a range of 0.5-2.0M.
 - 11. (Original) A lithium battery comprising:

a cathode;

an anode;

a separator interposed between the cathode and the anode; and the non-aqueous electrolytic solution of claim 1.

- 12. (Original) The lithium battery of claim 11, wherein the cathode is made of at least one selected from the group consisting of a lithium composite oxide, a simple substance sulfur, kasolite containing dissolved Li_2S_n where $n\geq 1$, organosulfur, and a carbon-sulfur composite polymer expressed as $(C_2S_x)_y$ where x ranges from 2.5 to 20 and $y\geq 2$.
- 13. (Original) The lithium battery of claim 11, wherein the anode is one of a lithium metal electrode, a lithium-metal alloy electrode, and a lithium-inert sulfur composite electrode.
 - 14. (Original) A lithium battery comprising:

a cathode;

an anode;

a separator interposed between the cathode and the anode; and the non-aqueous electrolytic solution of claim 2.

15.	(Original) A lithium battery comprising:	
a cathode;		
an anode;		
a separator interposed between the cathode and the anode; and		
the non-aqueous electrolytic solution of claim 3.		
16.	(Withdrawn) A lithium battery comprising:	
a cathode;		
an anode;		
a separator interposed between the cathode and the anode; and		
the non-aqueous electrolytic solution of claim 4.		
17.	(Original) A lithium battery comprising:	
a cathode;		
an anode;		
a separator interposed between the cathode and the anode; and		
the non-aqueous electrolytic solution of claim 5.		
18.	(Original) A lithium battery comprising:	
a cathode;		
an anode;		
a separator interposed between the cathode and the anode; and		
the non-aqueous electrolytic solution of claim 6.		

19.	(Original) A lithium battery comprising:	
a cathode;		
an anode;		
a separator interposed between the cathode and the anode; and		
the non-aqueous electrolytic solution of claim 7.		
20.	(Original) A lithium battery comprising:	
a cathode;		
an anode;		
a separator interposed between the cathode and the anode; and		
the non-aqueous electrolytic solution of claim 8.		
21.	(Canceled).	
22.	(Original) A lithium battery comprising:	
a cathode;		
an anode;		
a separator interposed between the cathode and the anode; and		
the non-aqueous electrolytic solution of claim 10.		